



US009410740B2

(12) **United States Patent**  
**Yu et al.**

(10) **Patent No.:** **US 9,410,740 B2**  
(45) **Date of Patent:** **Aug. 9, 2016**

(54) **BAKING TRANSMISSION MECHANISM**

USPC ..... 198/408, 778, 860.2  
See application file for complete search history.

(71) Applicants: **SHENZHEN FUTAIHONG  
PRECISION INDUSTRY CO., LTD.,**  
Shenzhen (CN); **FIH (Hong Kong)  
Limited,** Kowloon (HK)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

(72) Inventors: **Fei Yu,** Shenzhen (CN); **Jian-Ping Jin,**  
Shenzhen (CN); **Bing Yu,** Shenzhen  
(CN)

1,334,025 A \* 3/1920 Laurence ..... A21C 13/02  
198/576  
1,523,971 A \* 1/1925 Johnsen ..... B65G 17/32  
198/709  
3,360,097 A \* 12/1967 Huffman et al. .... B65G 47/82  
198/429  
4,184,588 A \* 1/1980 Lapeyre ..... A21C 13/02  
198/778  
4,579,218 A \* 4/1986 Park ..... B65G 21/18  
198/778  
4,848,537 A \* 7/1989 Richards ..... B65G 1/133  
198/778  
5,329,916 A \* 7/1994 Lygum ..... A21B 1/48  
126/20.1

(73) Assignees: **SHENZHEN FUTAIHONG  
PRECISION INDUSTRY CO., LTD.,**  
Shenzhen (CN); **FIH (Hong Kong)  
Limited,** Kowloon (HK)

(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 350 days.

\* cited by examiner

(21) Appl. No.: **14/034,576**

*Primary Examiner* — William R Harp

(22) Filed: **Sep. 24, 2013**

(74) *Attorney, Agent, or Firm* — ScienBiziP, P.C.

(65) **Prior Publication Data**

US 2014/0086710 A1 Mar. 27, 2014

(30) **Foreign Application Priority Data**

Sep. 25, 2012 (CN) ..... 2012 2 04923144 U

(51) **Int. Cl.**  
**B65G 15/00** (2006.01)  
**F26B 15/00** (2006.01)  
**F26B 15/06** (2006.01)

(52) **U.S. Cl.**  
CPC ..... **F26B 15/00** (2013.01); **F26B 15/06**  
(2013.01)

(58) **Field of Classification Search**  
CPC ..... B65G 21/08

(57) **ABSTRACT**

A baking transmission mechanism includes a dustproof assembly, which includes a box, a main transport wheel, and a drive unit. The first transportation assembly includes a first oven assembly, a first feed wheel, a first discharge wheel, a first pulley assembly, and a second pulley assembly. The first feed wheel and the first discharge wheel are located at a top of the first oven assembly, and the first pulley assembly and the second pulley assembly are located at opposite sides of the first oven assembly. The second transportation assembly includes a second oven assembly, a second feed wheel, a second discharge wheel, and a third pulley assembly, wherein the second feed wheel and the second discharge wheel are located at a top of the second oven assembly, and the third pulley assembly is adjacent to the second pulley assembly.

**11 Claims, 4 Drawing Sheets**

